

## Properties of Complex Numbers

Date \_\_\_\_\_ Period \_\_\_\_\_

**Find the absolute value of each complex number.**

1)  $|7 - i|$

2)  $|-5 - 5i|$

3)  $|-2 + 4i|$

4)  $|3 - 6i|$

5)  $|10 - 2i|$

6)  $|-4 - 8i|$

7)  $|-4 - 3i|$

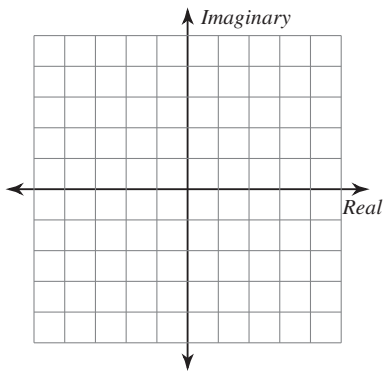
8)  $|8 - 3i|$

9)  $|1 - 8i|$

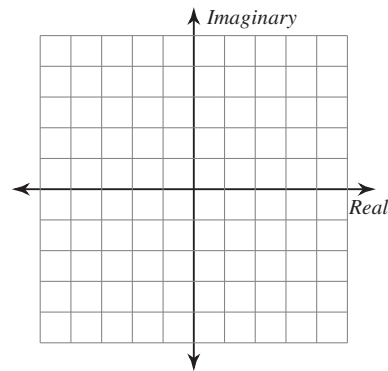
10)  $|-4 + 10i|$

**Graph each number in the complex plane.**

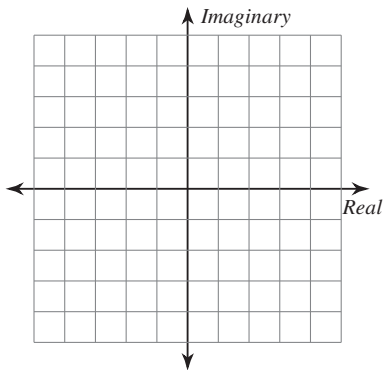
11)  $-3 + 4i$



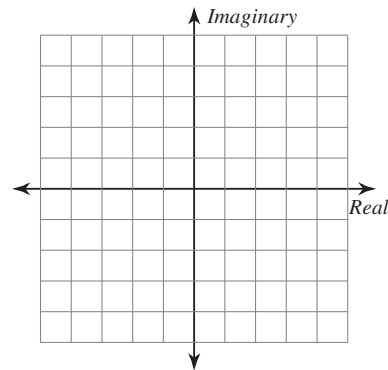
12)  $-1 + 5i$



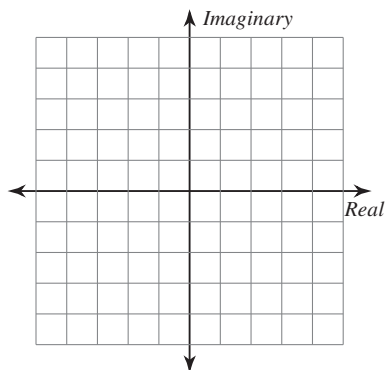
13)  $-1 - 4i$



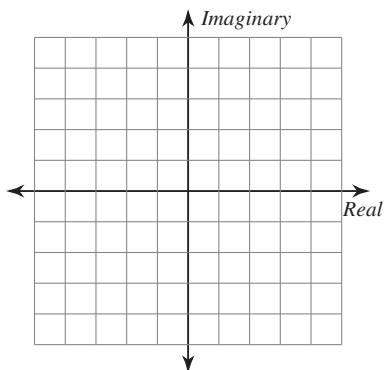
14)  $4 + 4i$



15)  $-3 + 5i$

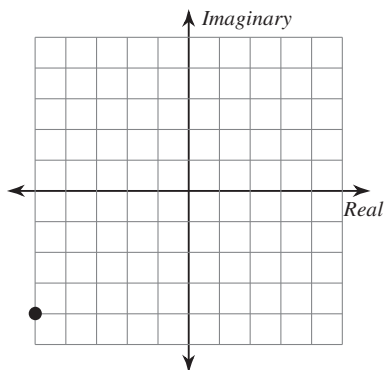


16)  $2 + 4i$

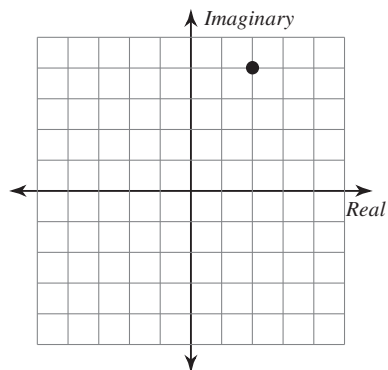


Identify each complex number graphed.

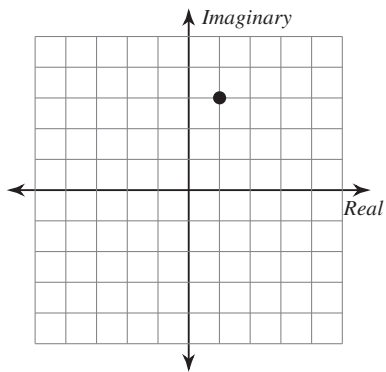
17)



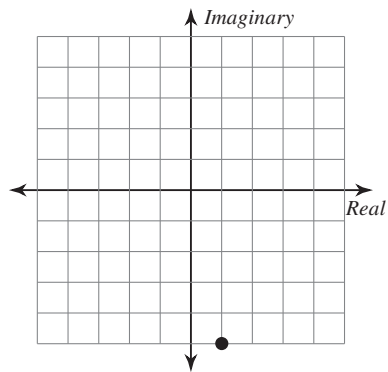
18)



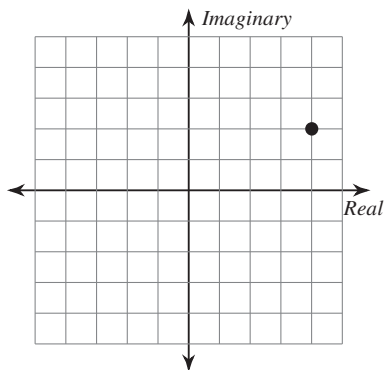
19)



20)



21)



22)

